## Amendment to the Claims

What is claimed is:

coating an interior surface of said tubular member with a sorptive coating, said sorptive coating selected to partition said at least one analyte from said <u>liquid phase</u> analyte-bearing sample;

injecting said <u>liquid phase</u> analyte-bearing sample into said <u>coated tubular member;</u> sorptively extracting said at least one analyte from said <u>liquid phase</u> analyte-bearing sample;

removing said <u>liquid phase</u> analyte bearing sample from said coated tubular member; desorbing said at least one analyte from said coated tubular member; and introducing said desorbed at least one analyte into said analytical device.

- (Original) The method of claim 1, wherein:
   said analytical device is a gas chromatograph;
   said gas chromatograph having an injection port housing;
   said injection port housing receiving said tubular member therein.
- (Original) The method of claim 1, wherein said sorptive coating comprises at least one selection from the group consisting of:
- (a) an immobilized polysiloxane polymer, having two attached functional groups, wherein the first attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, alkynylaryl, haloalkyl, and haloaryl, and the second attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, alkynylaryl, haloalkyl, and haloaryl;
  - (b) a porous layer;
  - (c) other immobilized polymers above their glass transition temperature;
  - (d) an immobilized porous polymer;

- (e) a sol gel; and
- (f) an immobilized adsorbent.
- 4. (Currently amended) The method of claim 3, wherein: said injection step includes connecting said coated tubular member to a vessel; said vessel containing said <u>liquid phase</u> analyte-bearing sample; and said removing step includes separating said coated tubular member from said vessel.
- (Original) The method of claim 3, wherein:
   said analytical device is a gas chromatograph;
   said gas chromatograph having an injection port housing;
   said injection port housing receiving said tubular member therein.
- (Currently amended) A method for the extraction and desorption of at least one analyte
  in an liquid phase analyte-bearing sample, said method comprising:

providing a tubular member sized for communication with an analytical device;
coating an interior surface of said tubular member with a sorptive coating, said sorptive
coating selected to partition said at least one analyte from said <u>liquid phase</u> analyte-bearing
sample, said sorptive coating comprising at least one selection from the group consisting of:

- (a) an immobilized polysiloxane polymer, having two attached functional groups, wherein the first attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, alkynylaryl, haloalkyl, and haloaryl, and the second attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkynyl, aryl, alkynyl, alkynyl, alkynyl, and haloaryl;
  - (b) a porous layer;
  - (c) other immobilized polymers above their glass transition temperature;
  - (d) an immobilized porous polymer;
  - (e) a sol gel; and
  - (f) an immobilized adsorbent;

injecting said liquid phase analyte-bearing sample into said coated tubular member;

sorptively extracting said at least one analyte from said <u>liquid phase</u> analyte-bearing sample;

removing said liquid phase analyte bearing sample from said coated tubular member; desorbing said at least one analyte from said coated tubular member; introducing said desorbed at least one analyte into said analytical device; said analytical device is a gas chromatograph; said gas chromatograph having an injection port housing; and said injection port housing receiving said tubular member therein.

 (Currently amended) A tubular member for performing extraction and desorption, said tubular member comprising:

an inlet, an outlet, and a passageway therethrough; said passageway providing fluid communication from said inlet to said outlet;

said interior surface coated with a sorptive coating, said sorptive coating selected to partition said at least one analyte from said liquid phase analyte-bearing sample; and said sorptive coating comprises at least one selection from the group consisting of:

- (a) an immobilized polysiloxane polymer, having two attached functional groups, wherein the first attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, alkynylaryl, haloalkyl, and haloaryl, and the second attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkynylaryl, haloalkyl, and haloaryl;
  - (b) a porous layer;
  - (c) other immobilized polymers above their glass transition temperature;
  - (d) an immobilized porous polymer;

said passageway defined by an interior surface;

- (e) a sol gel; and
- (f) an immobilized adsorbent.
- (Original) The device in claim 7, further comprising: said interior surface having a uniformly smooth surface.

- (Original) The device in claim 7, further comprising: said interior surface having an irregular surface.
- 10. (Original) The device of claim 7, wherein: said tubular member is received into the injection port housing of a gas chromatograph.
- 11. (Currently amended) A tubular member for performing extraction and desorption, said tubular member comprising:

an inlet, an outlet, and a passageway therethrough;

said passageway providing fluid communication from said inlet to said outlet;

said passageway defined by an interior surface;

said interior surface having a uniformly smooth surface;

said interior surface coated with a sorptive coating, said sorptive coating selected to partition said at least one analyte from said <u>liquid phase</u> analyte-bearing sample; and

said sorptive coating comprises at least one selection from the group consisting of:

- (a) an immobilized polysiloxane polymer, having two attached functional groups, wherein the first attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, alkynylaryl, haloalkyl, and haloaryl, and the second attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, haloalkyl, and haloaryl;
  - (b) a porous layer;
  - (c) other immobilized polymers above their glass transition temperature;
  - (d) an immobilized porous polymer;
  - (e) a sol gel; and
  - (f) an immobilized adsorbent.
- 12. (Currently amended) A tubular member for performing extraction and desorption, said tubular member comprising:

an inlet, an outlet, and a passageway therethrough;

said passageway providing fluid communication from said inlet to said outlet; said passageway defined by an interior surface;

said interior surface having an irregular surface;

said interior surface coated with a sorptive coating, said sorptive coating selected to partition said at least one analyte from said <u>liquid phase</u> analyte-bearing sample; and said sorptive coating comprises at least one selection from the group consisting of:

- (a) an immobilized polysiloxane polymer, having two attached functional groups, wherein the first attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, alkynylaryl, haloalkyl, and haloaryl, and the second attached functional group is selected from the group consisting of: alkyl, alkenyl, alkynyl, aryl, alkylaryl, alkenylaryl, haloalkyl, and haloaryl;
  - (b) a porous layer;
  - (c) other immobilized polymers above their glass transition temperature;
  - (d) an immobilized porous polymer;
  - (e) a sol gel; and
  - (f) an immobilized adsorbent.
- 13. (Currently amended) A method for the extraction and desorption of at least one analyte in an a liquid phase analyte-bearing sample for use with a heated gas chromatograph, said chromatograph including an injection port housing, said method comprising:

providing a tubular member sized for communication with an analytical device as an injection port liner, said injection port liner sized to fit within said injection port housing; coating an interior surface of said tubular member with a sorptive coating; injecting said liquid phase analyte-bearing sample into said coated tubular member; sorptively extracting said at least one analyte from said liquid phase analyte-bearing

removing said at-least-one-liquid phase analyte bearing sample from said coated tubular member:

installing said tubular member in said injection port housing of said gas chromatograph; increasing the temperature of injection port housing by heating from said heated gas chromatograph until said at least one analyte is desorbed from said coated tubular member; and

introducing said desorbed at least one analyte into said analytical device.

sample:

14. (Currently amended) The method of claim 13, wherein said sorptive coating is selected to partition at least one analyte from the said liquid phase analyte-bearing sample.